FTTS ACTD Update

SPEARHEAD OF LOGISTICS

BG (P) Brian I. Geehan
United States Army
Chief of Transportation

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FTTS ACTD Objective

3 to 1

Med & Heavy Truck Variants

Load Handling System

FTTS-MSV

8 to 1

Numerous Material Handling Equipment

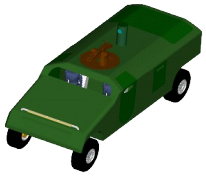
4 to 2

Numerous Delivery Platforms

Modular Platform

5 to 1

Numerous Interface Devices



FTTS-UV provides Command and Control and includes a Hybrid propulsion system for increased fuel efficiency and onboard power

A SEAMLESS Distribution SYSTEM built for the Obj Force

(Applied to the SBCT to evolve the TTPs, CONOPS, and

FTTS WARFIGHTING CAPABILITIES

SUSTAINMENT VEHICLE

1. SURVIVA
2. RELIABILITY MAINTAINABILI Y
3. FUEL SAVINGS
4. TRANSPO RT
5. WEAPON SYSTEM S
6. FCS INTERFACE
7. MOBILITY
8. WATER GENERATIO N
9. SYSTEM WEIGHT/VOLU
10. C4ISR (POWER&SPACI
11. POWER GENERATIO N

UTILITY VEHICLE

1. SURVIVABILIT Y
2. POWER GENERATION
3. RELIABILITY MAINTAINABILI TY
4. FUEL SAVINGS
5. WATER GENERATIO N
6. VARIANTS (PAX, C2, SPT, AMB)
7. C4ISR (PWR &
8. WEAPON SYSTEM
9. MOBILITY
10. TRANSPORT
11. SYSTEM WEIGHT/VOLUM E

FTTS ACTD OBJECTIVES

1. Survivability
- Designed upfront to provide time definite and assured delivery
- Reduced Emissions and Signature

2. Sustainability
- Reliability – MTBF > duration of Pulsed Operations
- Maintainability – Two Level Maintenance

3. Responsiveness
- Greater Fuel Efficiency
- Greater Range 600 – 900 miles
- Integrated C4ISR

4. Versatility
- Advanced Load Handling
- On Board Power & water Generation

5. Agility
- Higher Mobility Rated Speed: 50% increase
- Must be able to go where FCS goes and bypass built up Areas to deliver support

6. Deployability
- C130 Roll on/Roll off
- Ready to support off the ramp without vehicle preparation or Transportability waivers

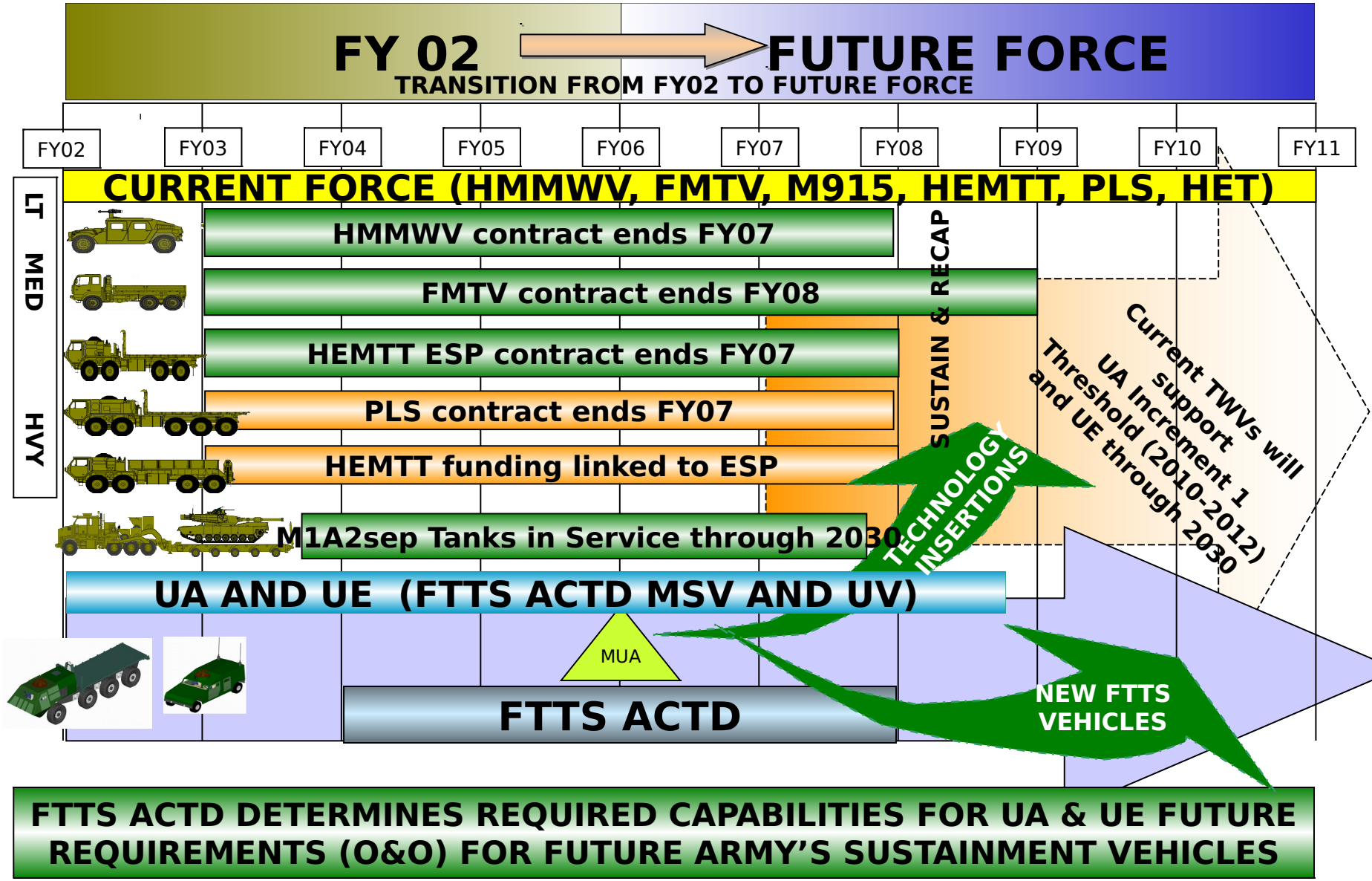
7. Lethality
- Prime mover for NLOS/LS

FTTS ACTD OUTCOMES

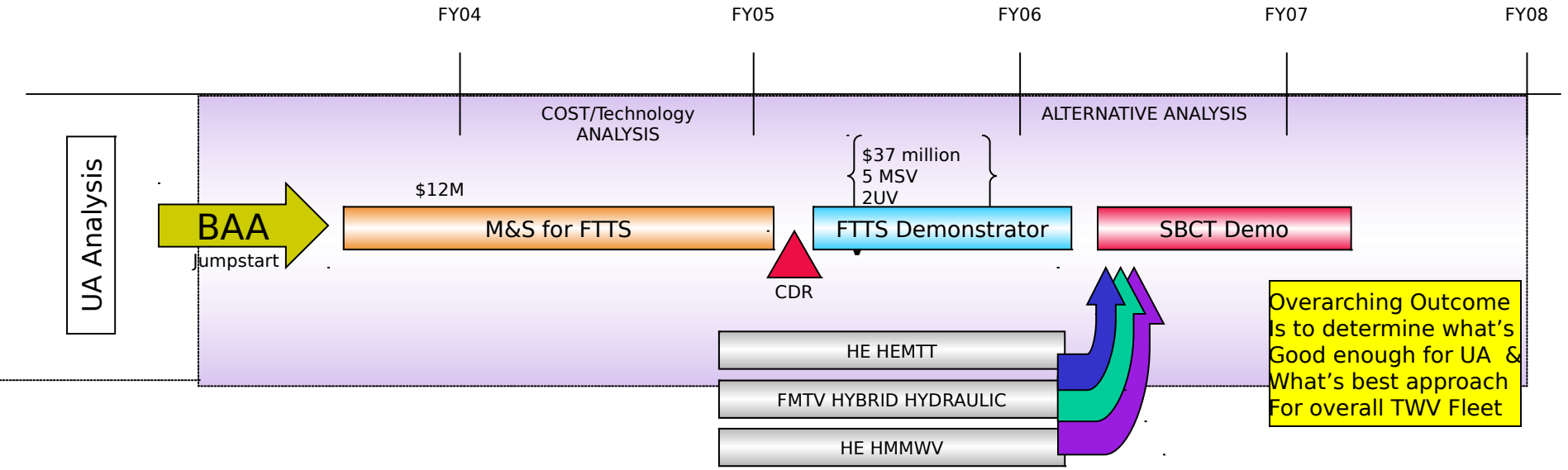
1. Identify Tech Inserts for Current Fleet
2. Determine Need/Affordability of Future Trucks
3. Refines FTTS CDD
4. Identify Hybrid Technologies for Current and Future Trucks
5. Leave Behind min 5 MSV's and 2 UV's with Improved Current Vehicles

WARFIGHTING CAPABILITIES TO BE DEMONSTRATED IN FTTS ACTD

ARMY TWV PROGRAMS



FTTS ACTD MILITARY UTILITY ASSESSMENT



CURRENT FLEET IMPROVEMENTS SUPPORTED BY OIF/OEF LESSONS LEARNED
POSSIBLE TECHNOLOGY ENABLERS: CREW PROTECTION KITS, IMPROVED RING MOUNTS, ADVANCED PROPULSION, AIRCRAFT INTERFACE KITS, APPLIQUE C4I & DVE SYSTEMS

FTTS SUPPORTED BY DRAFT ICD TECHNOLOGY ENABLERS: ADVANCED PROPULSION/SUSPENSIONS, SMART DISTRIBUTION, LIGHTWEIGHT MATERIELS, C4ISR, DIGITAL PROGNOSTICS, ADVANCED ARMOR PACKAGES, SMART CAB TECHNOLOGIES

CURRENT → **FUTURE**

QUESTIONS?

Early Military Electric Drive Vehicles

1943 U.S T-23
35 Tons Medium Tank
70 mm Gun

1942 German Elephant
70 Tons Combat Vehicle
120 mm Gun